

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

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Nanjing Province, 210008, China

PCT

WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY

(PCT Rule 43 bis.1)

Date of mailing

(day/month/year) 08 DEC 2005 (08.12.2005)

Applicant's or agent's file reference

ZL03828006

FOR FURTHER ACTION

see paragraph 2 below

International application No.

PCT/CN2005/000975

International filing date (day/month/year)

04.Jul.2005 (04.07.2005)

Priority date (day/month/year)

28.Feb.2005 (28.02.2005)

International Patent Classification (IPC) or both national classification and IPC

IPC⁷ E04F15/04

Applicant

LI, Yadong et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
☐ Box No. II Priority
☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
☐ Box No. IV Lack of unity of invention
☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
☐ Box No. VI Certain documents cited
☐ Box No. VII Certain defects in the international application
☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/CN
The State Intellectual Property Office, the
P.R.China 6 Xitucheng Rd., Jimen Bridge,
Haidian District, Beijing, China 100088
Facsimile No. 86-10-62019451

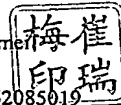
Date of completion of this opinion

10.Nov.2005(10.11.2005)

Authorized officer

CUI, Ruimer

Telephone No. 86-10-62085019



WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CN2005/000975

Box No. I Basis of the opinion

1. With regard to the language, this opinion has been established on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper
☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed
☐ filed together with the international application in electronic form
☐ furnished subsequently to this Authority for the purposes of search

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/CN2005/000975

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement:

Novelty (N)	Claims 1-4	YES
	Claims	NO
Inventive step (IS)	Claims 1-4	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-4	YES
	Claims	NO

2. Citations and explanations

Claims 1-4 meet the criteria set out in PCT Article 33(2)-(4).

The written opinion is based on the following documents:

D1-CN1328611A (ROY V et al), 26.Dec.2001

D2-CN2499486Y(ZHANG,Haiding et al),10.Jul.2002

D3-CN2585928Y (YANG,Shu), 12.Nov.2003

D4- US2002017071 A1(DEVIVI D C), 14.Feb.2002

D5- EP1273737A2 (PREMARK RWP HOLDINGS INC), 08.Jan.2003

D6- EP1213407A1 (POLIFACE COMPONENTES E SISTEMAS PARA MOB), 06.Dec.2002

Novelty:

All of the documents above are not disclose the floor splice bar of claims 1-3 and the assembled floor of claim 4 that formed by putting the said splice bars together, so the claims 1-4 meet the criteria set out in PCT Article 33(2).

Inventive step:

D1 is the immediate existing technology to the present invention, D1 discloses a floor splice bar comprising groove(spline) and rib(rabbit), but the angle A and B in which are different from the angle α and β of the present invention, at the same time, the slope of the incline that is formed by the outside surface of the underside of the said groove is not equal to the angle A or B, so the floor splice bar of D1 is different from the splice bar of claims 1-3, and the assembled floor of D1 is different from the floor of claim 4, the claims 1-4 meet the criteria set out in PCT Article 33(3).

Industrial applicability:

The subject matter of claims 1-4 can be made or used in industry, so the claims 1-4 meet the criteria set out in PCT Article 33(4).

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference ZL03828006	FOR FURTHER ACTION		See item 4 below
International application No. PCT/CN2005/000975	International filing date (<i>day/month/year</i>) 04 July 2005 (04.07.2005)	Priority date (<i>day/month/year</i>) 28 February 2005 (28.02.2005)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant LI, Yadong			

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).																								
2.	This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.																								
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 30%;">Box No. I</td> <td style="width: 60%;">Basis of the report</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																							
4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																								

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	<table style="width: 100%; border: none;"> <tr> <td style="border-bottom: 1px solid black; padding-bottom: 5px;">Date of issuance of this report 11 September 2007 (11.09.2007)</td> </tr> <tr> <td style="padding: 5px;"> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-bottom: 1px solid black; padding-bottom: 5px;">Authorized officer</td> <td style="width: 50%; text-align: center; padding: 5px;">Nora Lindner</td> </tr> <tr> <td colspan="2" style="border-bottom: 1px solid black; padding-bottom: 5px;">e-mail: pt02.pct@wipo.int</td> </tr> </table> </td> </tr> </table>	Date of issuance of this report 11 September 2007 (11.09.2007)	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-bottom: 1px solid black; padding-bottom: 5px;">Authorized officer</td> <td style="width: 50%; text-align: center; padding: 5px;">Nora Lindner</td> </tr> <tr> <td colspan="2" style="border-bottom: 1px solid black; padding-bottom: 5px;">e-mail: pt02.pct@wipo.int</td> </tr> </table>	Authorized officer	Nora Lindner	e-mail: pt02.pct@wipo.int	
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Authorized officer	Nora Lindner						
e-mail: pt02.pct@wipo.int							

专利合作条约

发信人: 国际检索单位

收信人:

210008

中国江苏省南京市中山北路 49 号江苏机械大厦

南京众联专利代理有限公司

孙忠浩

PCT

国际检索单位书面意见

(PCT 细则 43 之二 .1)

发文日 (日/月/年)

08.12.2005 (08.12.2005)

申请人或代理人的档案号

ZL03828006

后续行为

见下面第 2 段

国际申请号

PCT/CN2005/000975

国际申请日 (日/月/年)

04.7 月 2005 (04.07.2005)

优先权日 (日/月/年)

28.2 月 2005 (28.02.2005)

国际专利分类(IPC)或国家分类和 IPC 两种分类

IPC⁷ E04F15/04

申请人

李亚东 等

1. 本意见包括关于下列各项的内容:

- ☒ I 意见的基础
- ☐ II 优先权
- ☐ III 不作出关于新颖性、创造性和工业实用性的意见
- ☐ IV 缺乏发明的单一性
- ☒ V 按照细则 43 之二.1(a)(i)关于新颖性、创造性或工业实用性的意见; 支持这种意见的引证和解释
- ☐ VI 引用的某些文件
- ☐ VII 国际申请中的某些缺陷
- ☐ VIII 对国际申请的某些意见

2. 后续行为

如果提出初步审查要求书, 本次意见将被视为国际初步审查单位 (IPEA) 的一次书面意见 (如果申请人选择的国际初步审查单位非本单位, 而且所选国际初步审查单位已按照细则 66.1 之二 (b) 通知国际局将不考虑国际检索单位的书面意见时例外)。

如本书面意见被视为国际初步审查单位的书面意见, 则请申请人在自 PCT/ISA/220 发文之日起 3 个月或自优先权日起 22 个月内 (以后届满者为准) 向国际初步审查单位提交书面答复并提交修改 (如适用), 详情见 PCT/ISA/220 表格。

3. 详细信息请见 PCT/ISA/220 表格的说明

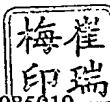
中华人民共和国国家知识产权局
(ISA/CN)
中国北京市海淀区蓟门桥西土城路 6 号 100088
传真号: (86-10)62019451

完成本意见的日期

10.11 月 2005 (10.11.2005)

受权官员

崔瑞梅



电话号码: (86-10)62085019

PCT/ISA/237 表(扉页) (2005 年 4 月)

I. 意见的基础

1、关于语言，制定书面意见基于：

☒ 申请提出时使用的语言。

☐ 该申请的____语言译文，为了国际检索的目的提供该种语言的译文(细则 12.3(a)和 23.1(b))。

2、关于国际申请中所公开的核苷酸和/或氨基酸序列表和对所称发明的必要性，该书面意见是在下列基础上制定的：

a. 材料的类型

☐ 序列表

☐ 与序列表相关的表格

b. 材料的形式

☐ 纸件形式

☐ 电子形式

c. 提交/提供时间

☐ 包括于已提交的国际申请。

☐ 以电子形式与国际申请一起提交。

☐ 为检索之用随后提交本国际检索单位。

3、☐ 另外，在提交/提供了多个核苷酸和/或氨基酸序列表和/或与其相关的表格的版本或副本的情况下，提供了关于后提交的或附加的副本与已提交的国际申请中的序列表相同或未超出国际申请中序列表范围（如适用）的声明。

4. 补充意见

V. 按细则 43 之二.1 关于新颖性、创造性或工业实用性的意见；支持这种意见的引证和解释

1. 意见

新颖性(N)	权利要求 1-4	是
	权利要求	否
创造性(IS)	权利要求 1-4	是
	权利要求	否
工业实用性(IA)	权利要求 1-4	是
	权利要求	否

2. 引证和解释

权利要求 1-4 符合专利合作条约第 33 (2) - (4) 条的规定。

本书面意见是基于如下对比文件作出的：

D1-CN1328611A (瓦莱里·鲁瓦), 26.12 月 2001

D2-CN2499486Y(张海丁、原小平), 10.7 月 2002

D3-CN2585928Y (杨述), 12.11 月 2003

D4- US2002017071 A1 (DEVIVID C), 14.2 月 2002

D5- EP1273737A2 (PREMARK RWP HOLDINGS INC), 08.1 月 2003

D6- EP1213407A1 (POLIFACE COMPONENTES E SISTEMAS PARA MOB), 06.12 月 2002

新颖性：

因为所有上述对比文件均没有公开权利要求 1-3 的地板拼块及权利要求 4 所述的由上述拼块拼装而成的地板，所以权利要求 1-4 符合专利合作条约第 33 (2) 条的规定。

创造性：

对比文件 1 (D1) 是与该发明最接近的现有技术，其公开了具有凹槽（榫槽）和肋条（榫头）的地板拼块，但是其中所形成的角度 A、B 均不是该发明中的角度 α 、 β ，并且其凹槽的下唇边的外侧表面所形成的斜面的坡度并未与上述角度 A 或 B 相同。因此，D1 中的地板拼块不同于权利要求 1-3 所述的拼块，而 D1 中组装构成的地板也不同于权利要求 4 所述的地板。所以，权利要求 1-4 符合专利合作条约第 33 (3) 条的规定。

实用性：

权利要求 1-4 在工业上可以使用，所以符合专利合作条约第 33 (4) 条的规定。